



PSN130S 8 A 120 V/230 V AC IP20 Power supply unit 30 V, for AS-i without AS-i data decoupling IN: 120 V / 230 V AC OUT: 30 V DC, 8 A, IP20 with integrated Overload detection with signaling contact

General technical data		
Type of device		30 V power supply unit IP 20
version		single output
Additional function		Signal contact
input voltage nominal value AC		
• range 1	V	120
• range 2	V	230
Inputs		
input recommended circuit breaker (IEC 898) in the main supply line		10 A, characteristic C
input voltage range		
• voltage range 1 AC	V	85 ... 132
• voltage range 2 AC	V	170 ... 264
input		
• Mains buffering time at I <sub>a</sub> rated min		20 ms
• line frequency		50/60 Hz
• Mains frequency range	Hz	47 ... 63
• range changeover using		Automatic range switchover
• input voltage built-in		T 6.3 (not accessible)
Connections input		Screw connection (0.5 ... 2.5 mm <sup>2</sup> )
Outputs		
output		
• DC-voltage controlled floating according to AS-Interface specification		yes
• voltage rated value U <sub>a</sub> rated DC		30 V
• tolerance total DC	V	29.5 ... 31.6
• rated current I <sub>a</sub> rated		8.0 A
• residual ripple peak-to-peak ( 0-10 kHz, AS-i+/AS-i- ) max	mV	150
• spikes peak-to-peak ( 10-500 kHz, AS-i+/AS-i- ) max	mV	150
Connections Output		Screw connection (0.5 ... 2.5 mm <sup>2</sup> )
Efficiency/ heat loss		
Efficiency at U <sub>a</sub> rated, I <sub>a</sub> rated	%	90
Protective and monitoring functions		
Output overvoltage protection		yes (< 37V)
Current limitation from min.		11.0 A
Short-circuit protection		yes
Safety related data		
protection class ( EN 60 950/IEC 950 )		I
Electrical isolation primary/secondary		ES1 according EN 62368-1 (for products until end of 2020: SELV according to EN 60 950 and EN 50 178)
protection class IP		IP20

## Electromagnetic compatibility

<b>electromagnetic compatibility (EMC)</b>		
<ul style="list-style-type: none"> <li>interference immunity</li> <li>emitted interference</li> </ul>		EN 61 000-6-2, EN 61 000-4-2/-3/-4/-5/-11 class B according to EN 55 022, IEC 61 000-6-3

## Ambient conditions

<b>ambient temperature</b>		
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	°C	-20 ... +70 -40 ... +85
<b>humidity rating</b>		climatic class DIN 50010, relative humidity max. 100% without condensation
<b>fastening method</b>		fixing on standard mounting rail DIN EN 59 022-35 x 7.5 mm snap-on
<b>width</b>	mm	70
<b>height</b>	mm	125
<b>depth</b>	mm	125

## Environmental footprint

Environmental Product Declaration(EPD)		Yes
global warming potential [CO2 eq] total	kg	785
global warming potential [CO2 eq] during manufacturing	kg	20.7
global warming potential [CO2 eq] during sales	kg	0.127
global warming potential [CO2 eq] during operation	kg	763
global warming potential [CO2 eq] after end of life	kg	0.565

## Certificates/ approvals

<b>General Product Approval</b>	<b>EMV</b>	<b>Maritime application</b>
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<b>Maritime application</b>	<b>other</b>	<b>Environment</b>
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[Confirmation](#)



[Environmental Confirmations](#)

## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RX9513-0AA00>

### Cax online generator

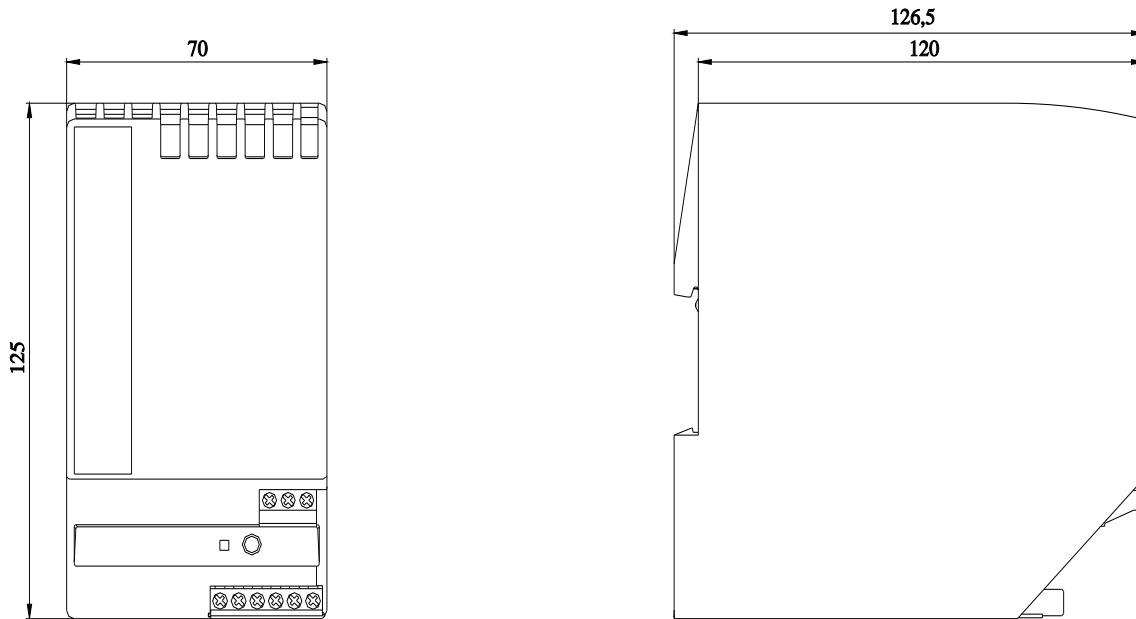
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9513-0AA00>

### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RX9513-0AA00>

### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RX9513-0AA00&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9513-0AA00&lang=en)



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